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BUREAU OF Entomology and Plant Quarantine
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FOREST INSECT LABORATORY, PORTLAND, OREGON

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE
WASHINGTON, D. C.

Panguitch, Utah
October 14, 1940

Indexed

Ext. Survey Summary

Mr. R. L. Furniss
445 U. S. Court House
Portland, Oregon

Dear Furniss:

The extensive Black Hills Beetle survey of the Powell National Forest has been completed. This survey covered the areas that were treated during the past winter as well as all other areas thought to contain any infestation. It is very encouraging to find that only 1,400 trees are estimated for the area on which 18,000 trees were treated last winter.

This is a reduction of about 92 percent which has reduced the infestation to about .06 infested trees per acre.

The survey indicates that there are four areas on the forest which should be treated this winter. These areas include a total of 23,280 acres which contain approximately 4,535 infested trees. In addition to treating these 4 areas during the winter it seems advisable to clean up remaining groups on the area treated last winter. This could probably be done most economically in the spring after the infested trees have faded sufficiently to be seen from a distance. This procedure would eliminate the need for covering the area with spotting crews and could probably be accomplished at a reasonable cost per tree.

If these areas are cleaned up this year the Powell National Forest should not be confronted with any serious Black Hills beetle problems in the near future.

Enclosed is the survey summary. A complete report of the survey will follow at a later date.

Very truly yours,

Dwight A. Hester

Dwight A. Hester Agent

cc
Craighead
Robb
Powell N. F.

INTENSIVE SURVEY — POWELL NATIONAL FOREST — UTAH - 1940

Name of Area	Acres		New Attacks		Percent	Man	Infested	Recommendations
	On strip	In Area	On Strip	In Area	of Survey	days	trees per acre	
Proctor	65.5	1,280	56	1,100	5.1	3	.86	Cover 100% by spotting And Control Crews
Upper East Fork	922	17,000	152	3,000	5.4	33	.18	"
Red Canyon	146	2,560	16	275	5.7	7	.11	"
Daves Hollow	152	2,500	10	160	.06	5	.06	"
Sub Total	1,285.5	23,340	234	4,535		48		
Area Treated Winter of 1939-1940	1,576	37,120	56	1400	4.2	26	.04	Treat in Spring after Infested Trees have Faded.
Total	2,861.5	60,460	290	5,935		74		
Pine Creek	182	3,640	1	20	50	6	.005	No Control recommended
Sweet Water Canyon	146	2,920	2	40	5.0	4	.013	"
Greens	312	6,240	2	40	5.0	7	.006	"
Grand Total	3,501.5	73,260	295	6,035		91		